

CORRES CONTROL
INCOMING LTR NO

00960 RF03

DUE DATE 11-15-03

ACTION

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STATE OF COLORADO

Bill Owens, Governor
Douglas H. Benvenuto, Executive DirectorCORRESPONDENCE
CONTROL

Dedicated to protecting and improving the health and environment of the people of Colorado

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of Public Health
and Environment

DIST	LTR	ENC
BERARDINI, J. H.	X	
BOGNAR, E. S.	X	
BROOKS, L.	X	
BUTLER, L.	X	
CROCKETT, G. A.		
DECK, C. A.	X	
DEGENHART, K. R.		
DIETER, T. J.		
DIETERLE, S. E.		
FERRERA, D. W.	X	
GIACOMINI, J. J.		
HIETT, S. B.	X	
ISOM, J. H.		
LINDSAY, D. C.	X	
LONG, J. W.		
LYLE, J. L.		
MARTINEZ, L. A.	X	
NAGEL, R. E.	X	
NORTH, K.	X	
PARKER, A. M.	X	
RODGERS, A. D.		
SHELTON, D. C.	X	
SPEARS, M. S.		
TRICE, K. D.		
TUOHY, N. R.	X	
WILLIAMS, J. L.	X	
ZAHM, C.	X	
Nininger, R.	X	
Dayton, C.	X	
Cable, J.	X	
Dunstan, L.	X	
Fiehweg, R.	X	
Ruhavina, F.	X	

October 7, 2003

Joseph A. Legare

Assistant Manager for Environment and Stewardship

U S Department of Energy

Rocky Flats Field Office

10808 Highway 93, Unit A

Golden, Colorado 80403-8200

RE: Well 41591 Chromium Exceedances

Dear Mr. Legare

The Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division recently provided comments to site personnel on the First Quarter RFCA Groundwater Monitoring Report for Calendar Year 2003. Monthly sampling required under the IMP for nickel and thallium in boundary well 41591 revealed a sudden and confirmed exceedance of chromium above the Tier II action level of 100 ug/l. The ground water standard off site is 100 ug/l. At this time the source of the chromium is unknown although the history of the East Spray Fields (IHSS 216 3) documents spray irrigation of liquid chromium contamination in February of 1989.

Chromium moves essentially at the speed of ground water, and given the close proximity of this well to the Site boundary, this exceedance needs to be investigated as soon as possible. The well should be sampled monthly and the oxidation state of the chromium in well 41591 should be determined. The ground water pathway upgradient and downgradient of this well should also be determined. Installation of additional wells in the area may be appropriate if the existence of a contaminant plume is suspected.

If you have any questions regarding this correspondence please contact me at (303) 692-3367 or Elizabeth Pottorff at 303-692-3429.

Reviewed for Addressee
Corres. Control RFP

Sincerely,

10/16/03 198R
Date BySteven H. Gunderson
RFCA Project CoordinatorRef Ltr #
NA

DOE ORDER #

5400.1

DOCUMENT CLASSIFICATION
REVIEW WAIVER PER
CLASSIFICATION OFFICEADMIN RECORD
SW-A-004847

cc Norma Castaneda, DOE
Gary Kleeman, EPA
Lane Butler, KH
Mark Sattelberg, U S F&W

Christine Dayton, KH
Dave Shelton, KH
Administrative Records Building T130G